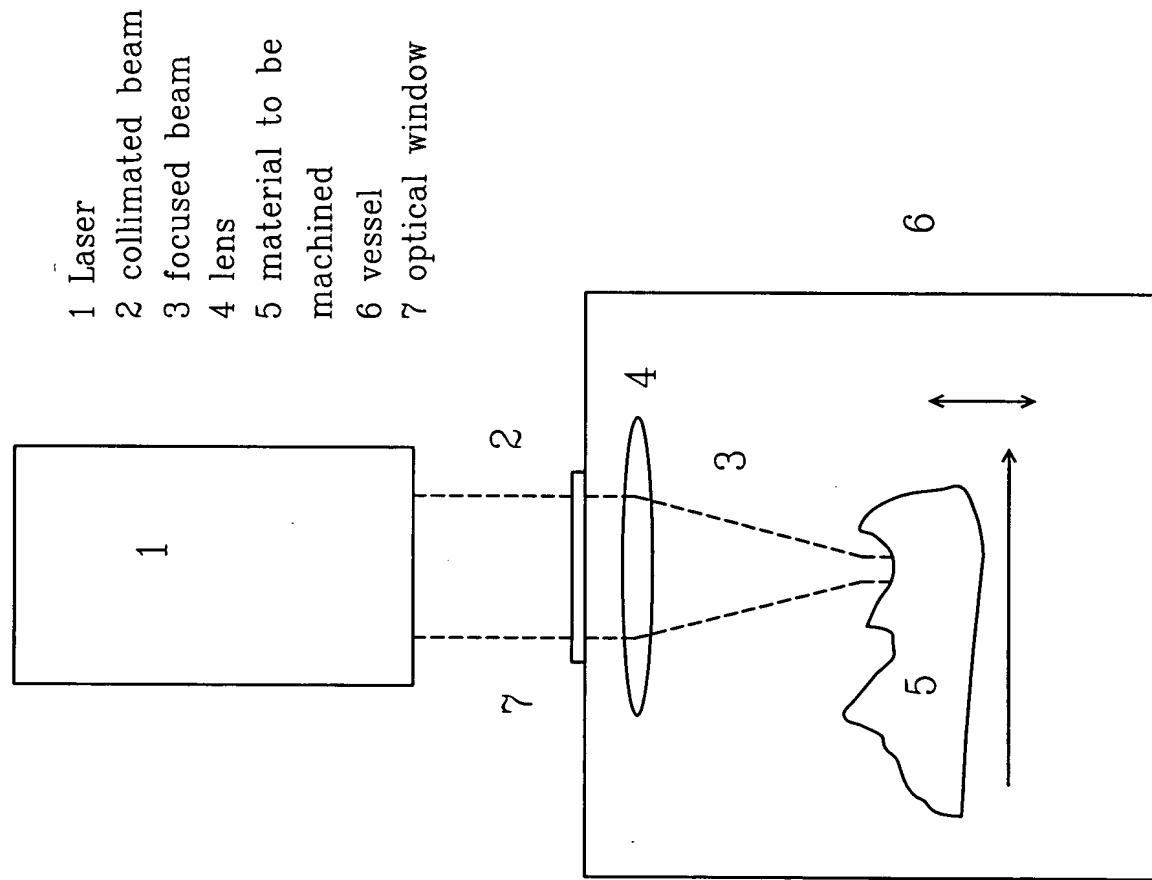




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FIG. 1



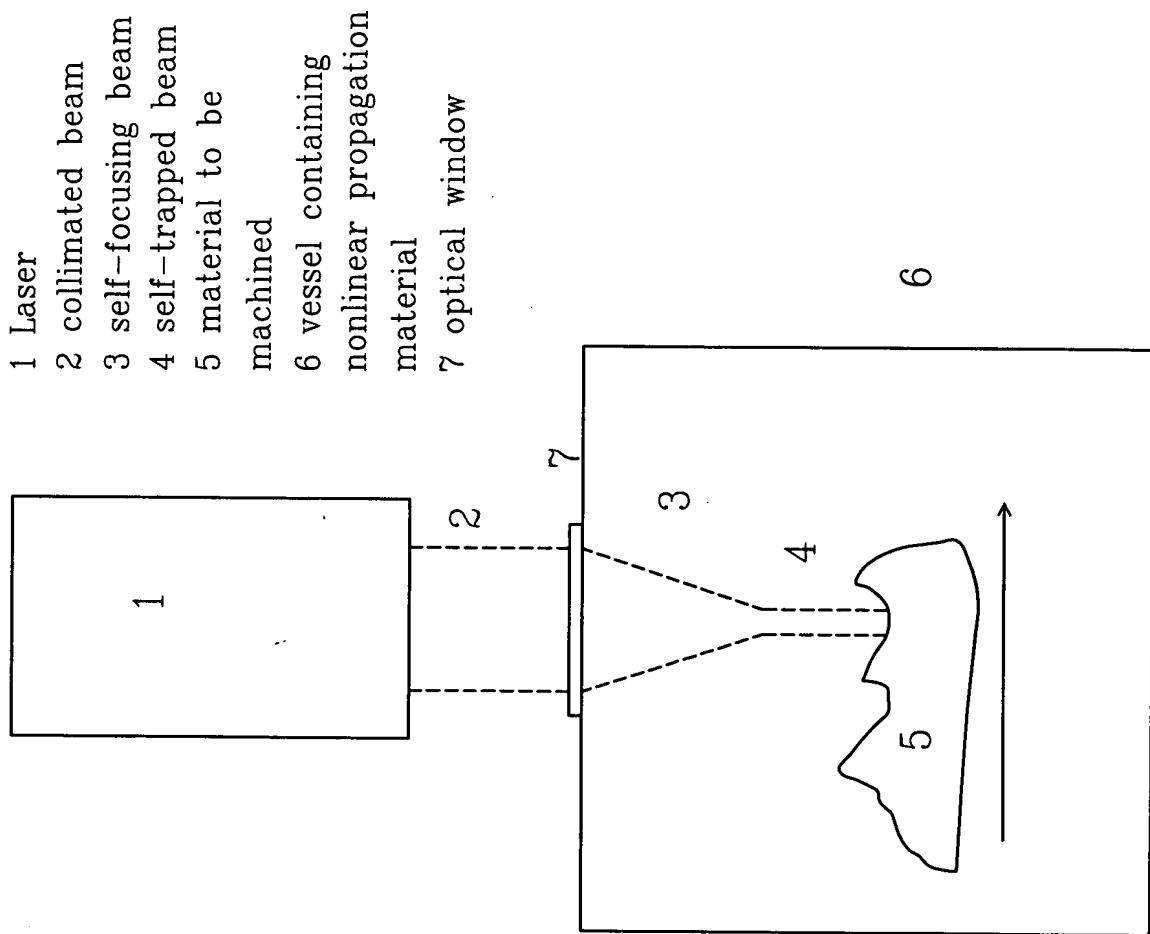
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FIG. 2



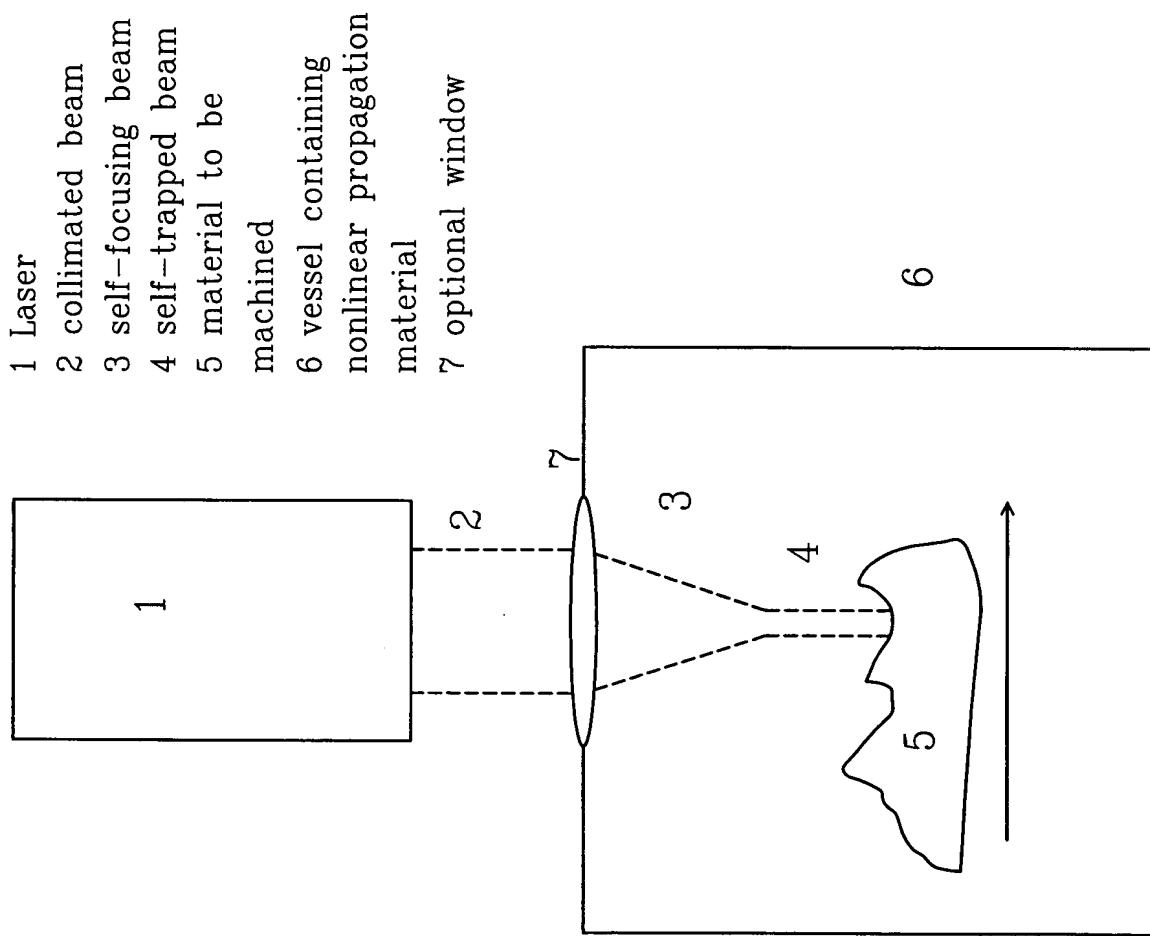
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FIG. 3



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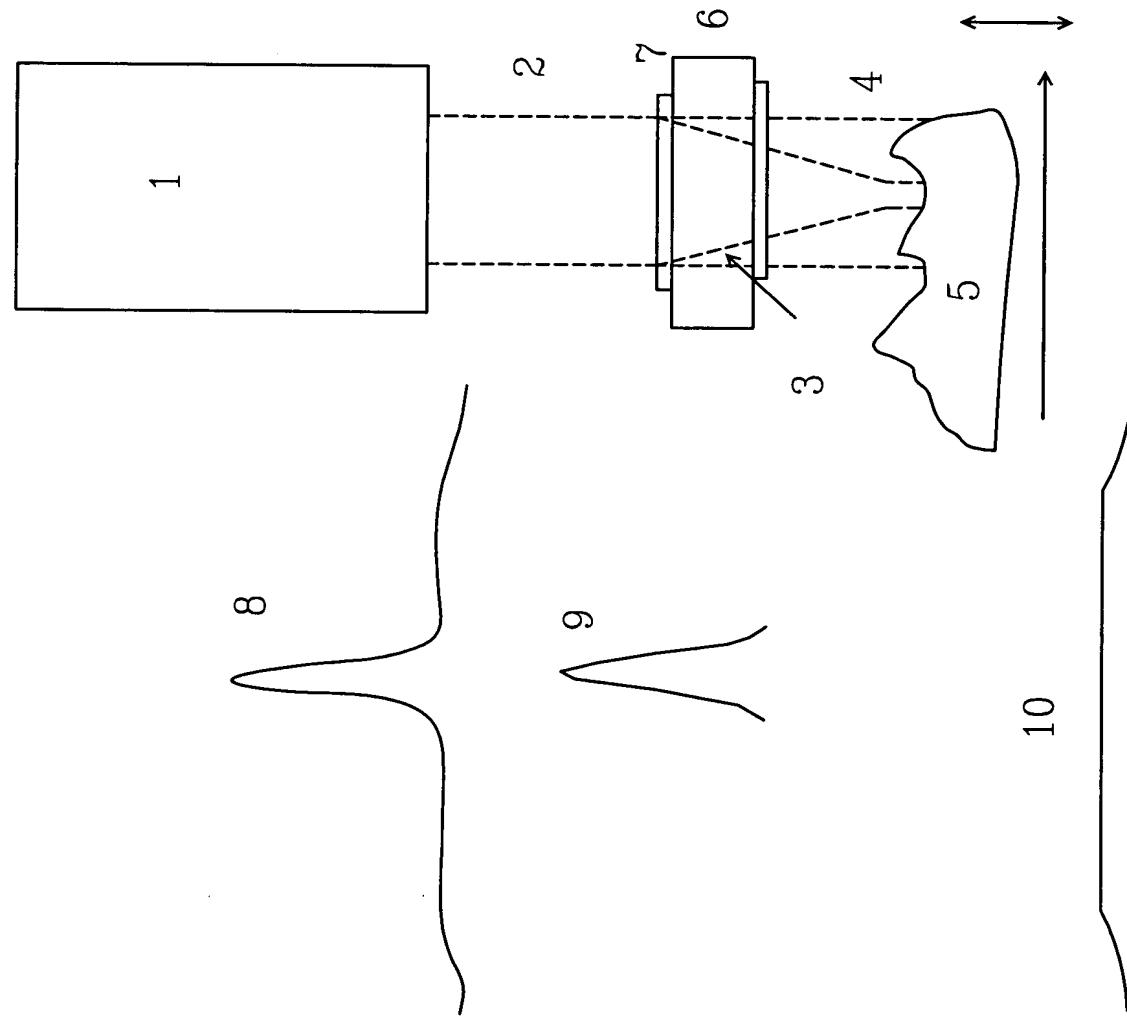
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FIG. 4

- 1 Laser
- 2 collimated beam
- 3 self-focusing high power beam
- 4 low power non-focusing beam
- 5 material to be machined
- 6 vessel containing nonlinear propagation material
- 7 optical windows
- 8 temporal profile of self-focusing beam
- 10 temporal profile of non-focusing beam



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FIG. 5

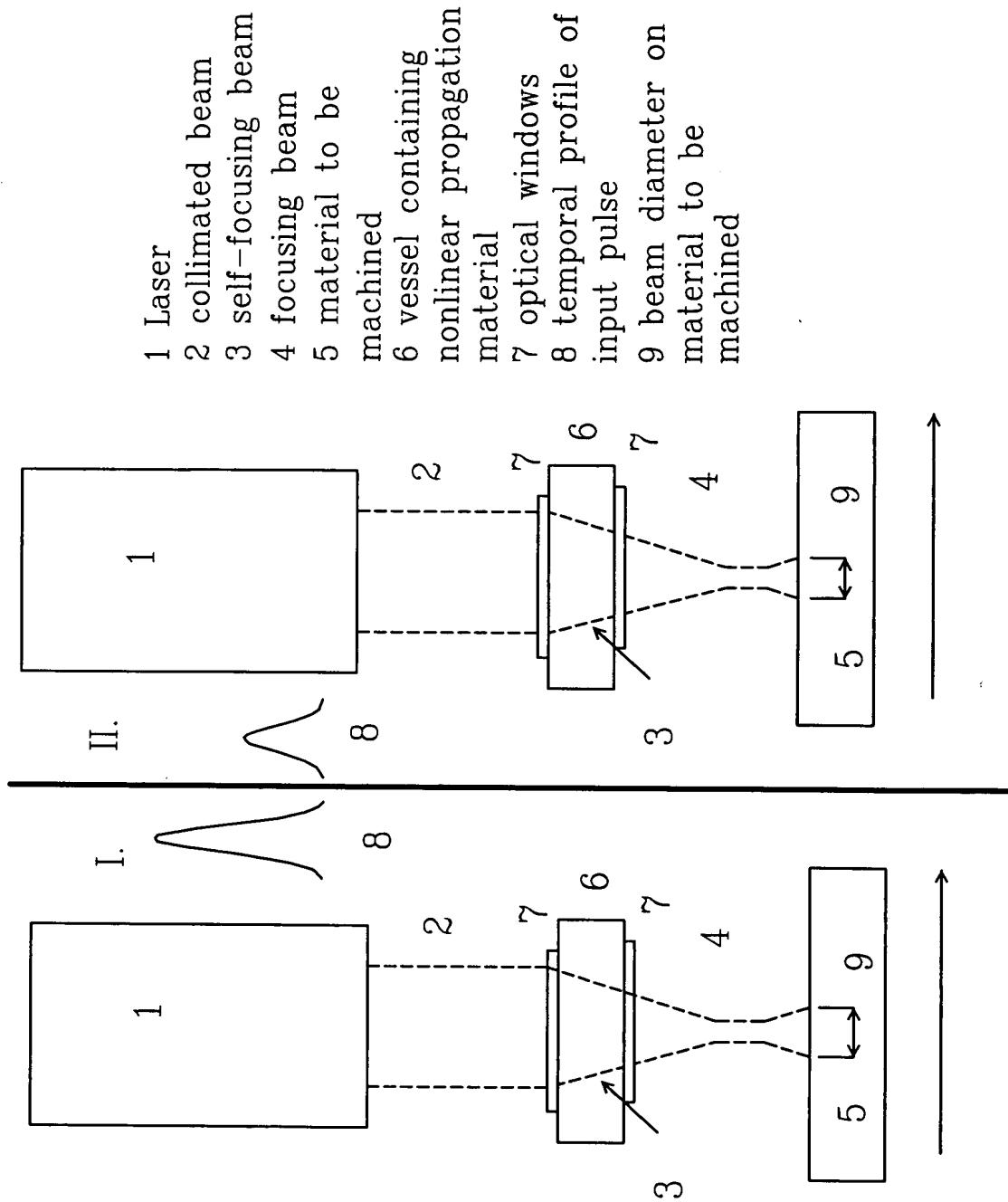
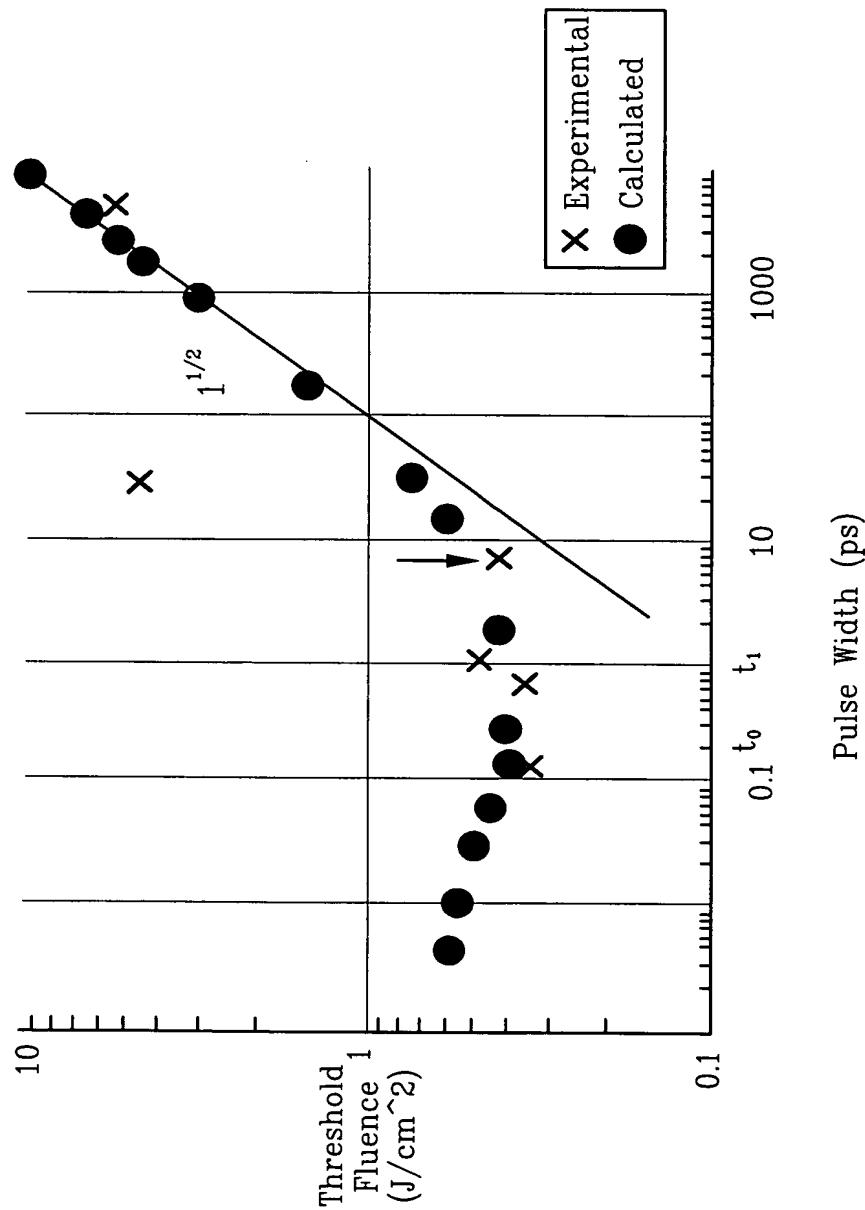


FIG. 6



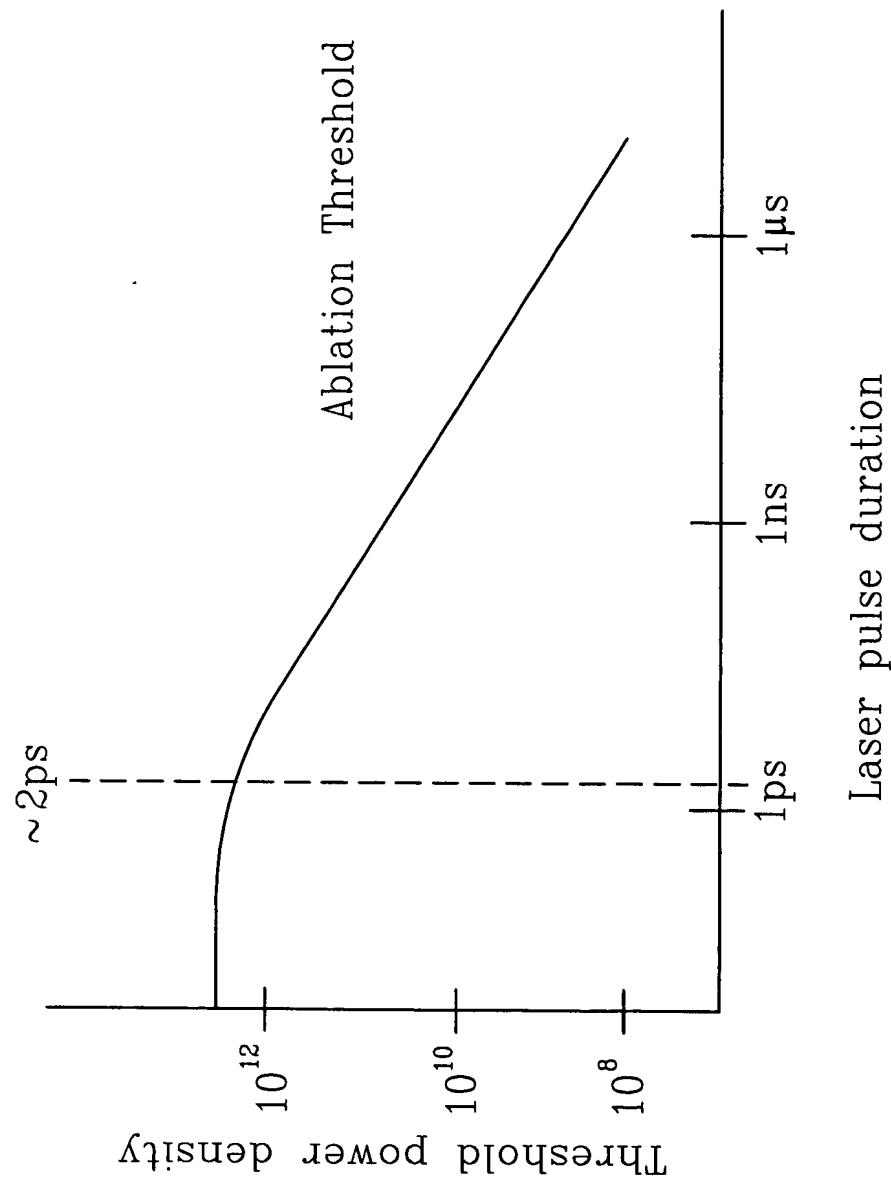
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FIG. 7



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FIG. 8

